

IRRADIATION QUESTIONNAIRE  
AND CONCURRENCE STATEMENT

Declaration Number: \_\_\_\_\_

Is the material listed in this declaration irradiated?

\_\_\_ Yes \_\_\_ No

If the material is not irradiated and has no known contaminants, please sign below as a confirmation.

*I concur that the material described in this declaration is not irradiated and has no known contaminants resulting in discrete quantities of fission products or transuranic elements.*

Shipping Site Representative **Printed Name:** \_\_\_\_\_

Shipping Site Representative **Signature:** \_\_\_\_\_

**Date:** \_\_\_\_\_

**If the material is irradiated or slightly irradiated, please complete the following questions.**

When was the material **first** irradiated or made critical or subcritical? \_\_\_\_\_

How long did the material remain in this condition? \_\_\_\_\_

When was it **last** irradiated or made critical or subcritical? \_\_\_\_\_

How long did the material remain in this condition? \_\_\_\_\_

What was the neutron flux to which the material in question was subjected? \_\_\_\_\_

For how long? \_\_\_\_\_

For **metals**, what is the removable, alpha surface activity in dpm/100 cm<sup>2</sup> for each item:

a. attributed to transuranics (e.g., neptunium, plutonium, americium) \_\_\_\_\_

b. attributed to uranium \_\_\_\_\_

What is the alpha activity in curies per gram or multiples thereof for each alpha-emitting radionuclide? (Uranium alpha activity may be combined to yield a total uranium value with the exception of U-232 and U-233. Values for U-232 or U-233 should be included separately.)  
\_\_\_\_\_  
\_\_\_\_\_

What is the beta activity in curies per gram or multiples thereof for each beta emitting radionuclide? (Uranium daughter beta activity may be combined to yield a total uranium value.)  
\_\_\_\_\_  
\_\_\_\_\_

What is the gamma activity in curies per gram or multiples thereof for each gamma emitting radionuclide?  
\_\_\_\_\_  
\_\_\_\_\_

What is the source of information/documentation for compiling your responses to the questions on this form?  
\_\_\_\_\_  
\_\_\_\_\_

*I concur that the information provided above regarding irradiated or slightly irradiated material is correct.*

Shipping Site Representative **Printed Name:** \_\_\_\_\_

Shipping Site Representative **Signature:** \_\_\_\_\_

**Date:** \_\_\_\_\_